

M. A. R. 57 (Rule 116)

Measurement Book

No. B

565937

Reference
to last
measurement

8

First and Final Bill

Improvements

to Rec. Drainage and CC only at Mallesandra in

From

To

Contractor of nature of Agency

Ward no. 13

Mallesandra Shettyhalli sub

Commencement of work

Division

Full description, etc., of work

Dimensions

Contents

Reference
to last
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2

Number

Length

Breadth

Depth

7

3

4

5

6

8

Estimate No. 50,00,000/-

Job code no. 013-17-000053

S/N: IC(02)/AS/12/2017-18, dt: 27/04/2017

S/N: CB(02)/TS/25/17-18, dt: 28/04/2017

Agency: KRFOL (W)

Work order no. BBMP/00100/55/17-18, dt: 07/05/2017

Date of commencement: 02.05.17

Date of completion: 30.6.17

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Reference to last Measurement
		Number	Length	Breadth	Depth	
1	2	3	4	5	6	7
①	Earthwork execution by manual means in ordinary soil involving an average horizontal throw upto 2m & an average lift upto 1.5m. executed surface levelled & sides neatly around the disposed earth to be levelled neatly after breaking of clods. Compulsory as per specification					
	= Qty vide premeasurement of 10m ³					
	Page no: 565982/2					
	~~778.63 m³~~					
	Qty. 175.98/cum by 137008.0					
②	Remaining R.S slab drain & stading.					
	= Qty vide premeasurement of 5m ³					
	Page no: 565983					

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008.0

Full description, etc, of work

2

Dimensions

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Length

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Breadth

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Depth

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168.75 m²

2 ft 65.71/3m 14

11090.0

providing and laying in position plain cement concrete of
1:1.8 with OPC cement @ 180 bbs with 40 mm and 20 mm
graded gravel mixed coarse aggregate @ 0.85 cum and fine aggregate
@ 0.17 cum machine mixed, machine mixed, concrete laid in layers
not exceeding 15 cm. thick well compacted in foundation including
cost of all materials. labour and of machinery being complete
specification = 24 vide paragraph ref TMB

MEASUREMENT BOOK

Date	Full description, etc., of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(a)	Available CA	15.49 m ³		Sh. 4403.0/cm h			68830.0
(b)	Remaining Balance Sh.	4.01 m ³		Sh. 5159.0/cm h			68809.0
(c)	Construction of granular sub-base by providing coarse graded crushed stone layer of granite / trap / basalt material, spreading in uniform layers with motor grader on prepared surface mixed by mix in place method with rotavator at one end compacting with vibratory roller to achieve the desired density. complete sh specification by mix in place method for grading-II materials.						20711.0 20681.6

565939

Full description, etc., of work 2	Dimensions				Contents 7	Reference to last Measurement 8
	Number 3	Length 4	Breadth 5	Depth 6		
- Qty vide premeasurement by P.M.B. Page No. 565989/2 <u>228.39 m³</u> @ Rk. 1582-1587 cum h.						361445.0
(3) Construction of dry lean cement concrete of mix cc 1:5:10 with OPC Cement @ 100 kgs/m ³ , with 25mm ad down metal coarse aggregate at 0.86 cum fine aggregate @ 0.58 cum - base - over a prepared sub-grade with (course of fine aggregate)						

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measuremen 8
		Number 3	Length 4	Breadth 5	Depth 6		
	confirming to 15:383) aggregate cement ratio not to exceed 15:1 aggregate gradation after bleeding to be as per table 600-1, cement content not to be less than 160 kg/cum, optimum moisture content to be less than 10% at 7 days mixed in a batching plant transported to site laid with a power with electronic sensor compacting with 8-10 tons vibratory roller, finishing & curing samples & per specification - Qty vide pre measurement ref TMB Page no: 565991/2 <u>176.78 m³</u> ash 3986.66/cum						
						704761.75	

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From..... To.....
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Commencement of work

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17.61.75

Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
	Number 3	Length 4	Breadth 5	Depth 6		
providing and laying in position plain cement concrete of mix 1:2:4 with OPC cement @ 300 kgs. with 20mm and 10mm coarse aggregate @ 0.69 cum and fine aggregate @ 0.43 cum machine mixed. concrete laid in layers not exceeding 15 cm. thick well compacted on foundation plinth and coll. including cost of all materials. labour tear & machinery curing complete - 3 Rs per specification - Qty vide programme ref MB						
	46.80 m ³		5874.57 cum			274922.0